

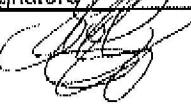
VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION	
Company Name	OMAK WOOD PROD.
Address	1100 8TH AVE E OMAK, WA 98841
Phone #	509.322.7318
Source Description	I.D. # BOILER
Operating Mode / Output Rate	
RUNNING at 10,000	
Control Equipment	Operating Mode WET SCRUBBER
PLUME INFORMATION	
Emission Point Description	STACK
Height Above Ground	50'
Height Relative to Observer	50'
Distance from Observer	175'
Direction from Observer	N/W
Plume Type	: Continuous ✓ : Intermittent : Fugitive
Plume Color	WHITE
Water Droplets Present?	NO
: Attached Plume?	✓
: Detached Plume?	
Point in the Plume at which Opacity was Observed	BEGIN.
Description of Background	SKY
Color of Background	LT BLUE
Condition of Sky	CLOUDY
Wind Speed (MPH)	9
Wind Direction (from)	N
Ambient Temperature (°F)	43°
Relative Humidity	70%

Source Layout Sketch	
Key: SUN ☀ · WIND ➡ PLUME ↘	
Comments:	

OBSERVATION RECORD										
		Seconds					Seconds			
		0	15	30	45		0	15	30	45
1	0	0	0	0	0	31				
2	5	0	0	0	0	32				
3	5	5	0	0	0	33				
4	5	5	0	5	0	34				
5	5	10	5	0	0	35				
6	0	5	5	0	0	36				
7	5	10	5	0	0	37				
8	0	0	0	0	0	38				
9	0	0	0	0	5	39				
10	5	0	0	5	5	40				
11	10	5	0	5	5	41				
12	5	0	0	5	5	42				
13						43				
14						44				
15						45				
16						46				
17						47				
18						48				
19						49				
20						50				
21						51				
22						52				
23						53				
24						54				
25						55				
26						56				
27						57				
28						58				
29						59				
30						60				

Range of Opacity Readings	Maximum	0 %
	Minimum	10 %
Number of Readings Above	20 %	0
Average Opacity for 18 Readings =	2.60 %	

Observer's Name (print)	CONNIE CHARLEY
Organization:	OMAK WOOD PRODUCTS
Certified By:	SMOKE SCHOOL INC.
Observer's signature	
Date	02/03/03
Date	11/11/03

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION		
Company Name OMAK WOOD PRODUCTS		
Address 1100 E 8TH AVE OMAK, WA 98841		
Phone # 509-322-7348		
Source Description BOILER		I.D. # i
Operating Mode / Output Rate RUNNING 70,000		
Control Equipment WET SCRUBBER		Operating Mode
PLUME INFORMATION		
Emission Point Description	STACK	@ START
Height Above Ground	50'	@ END
Height Relative to Observer	50'	
Distance from Observer	170yds	
Direction from Observer	NE	
Plume Type	Continuous	
	Intermittent	
	Fugitive	
Plume Color	WHITE	
Water Droplets Present?	N/A	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	REGIN.	
Description of Background	HILLSIDE	
Color of Background	BROWN	
Condition of Sky	CLEAR	
Wind Speed (MPH)	6	
Wind Direction (from)	N	
Ambient Temperature (°F)	47°	
Relative Humidity	66%	

Source Layout Sketch	
North Direction	■ Emission Point
Key: SUN ☀ WIND ↗ PLUME ↘	
Comments:	

OBSERVATION RECORD									
	Seconds					Seconds			
	0	15	30	45		0	15	30	45
1	10	15	20	15	31				
2	10	20	20	15	32				
3	15	10	10	10	33				
4	10	10	10	5	34				
5	5	5	6	0	35				
6	0	0	5	10	36				
7	10	10	10	5	37				
8	10	10	5	5	38				
9	10	10	5	5	39				
10	10	5	5	10	40				
11	5	5	10	10	41				
12	5	0	0	5	42				
13	0	0	0	5	43				
14	5	5	10	15	44				
15	10	5	5	0	45				
16	0	0	5	5	46				
17	10	10	15	20	47				
18	15	10	6	5	48				
19	5	0	5	5	49				
20	10	10	10	5	50				
21	0	0	5	5	51				
22	10	10	5	5	52				
23	5	5	10	10	53				
24	10	5	0	5	54				
25					55				
26					56				
27					57				
28					58				
29					59				
30					60				

Range of Opacity Readings	Maximum	0 %
	Minimum	20 %
Number of Readings Above	20 %	0
Average Opacity for 20 Readings =		7.291 %

Observer's Name (print)	CONNIE CHANEY	
Organization:	OMAK WOOD PRODUCTS, LLC	
Certified By: SMOKE SCHOOL INC.	Date 12-24-13	
Observer's signature:		
Date 11-8-13		

Fuel Cyclone Opacity Observation Form

This form documents when opacity observations were completed.

****After three consecutive Monthly "No See" observations are recorded, observations shall be recorded quarterly.**

****If visual emissions are observed during a monthly or quarterly check, a Method 9 observation must be collected that month.**

Date: 11.11.13

Observer: LAWIE CHANNEL

Time: 11:00 to 11:14 am
(-5 minutes)

Fuel Cyclone and Sources Operating? Yes No

Is the fuel cyclone generating visual emissions? Yes No

Note: water vapor is not considered a 'visual emission'.

***If no visual emissions, observation is complete. File this form in Binder 1, Tab 1.**

If visual emissions are observed, describe their appearance (i.e. smokey, sawdust) and location:

If visual emissions are observed, are they due to an upset condition that can be fixed immediately?

Yes No N/A

After fixing upset condition, is the fuel cyclone generating visual emissions? Yes No N/A

Note: water vapor is not considered a 'visual emission'.

What caused the upset condition, and how was it fixed?:

***If no visual emissions after fixing upset condition, observation is complete. File form in Binder 1, Tab 1 AND notify Plant Management of upset condition.**

***If visual emissions are observed, and not due to an upset condition that can be fixed immediately, Notify Plant Management and coordinate a Method 9 observation. The Method 9 observation should occur as soon as possible.**

Date of Method 9 Observation:

Observer:

Time: to
(24-30 minutes)

Fuel Cyclone and Sources Operating? Yes No

****Attach Method 9 observation sheet to this Form and file in Binder 1, Tab 1.**

Opacity limit: on a 6-minute average, the opacity cannot exceed 20%.

Other Notes:

Plywood Building Vents and Doors Opacity Observation Form

This form documents when opacity observations were completed.

****After three consecutive Monthly "No See" observations are recorded, observations shall be recorded quarterly.**

****If visual emissions are observed during a monthly or quarterly check, a Method 9 observation must be collected that month.**

Date: 11/11/13

Observer: Connie Chaney

Time: 11:17 to 11:23 am
(~5 minutes)

Plywood Mill Operating? Yes No

Is the plywood mill generating visual emissions? Yes No

Note: water vapor is not considered a 'visual emission'.

****If no visual emissions, observation is complete. File this form in Binder 1, Tab 4.**

If visual emissions are observed, describe their appearance (i.e. smokey, sawdust) and location:

If visual emissions are observed, are they due to an upset condition that can be fixed immediately?

Yes No N/A

After fixing upset condition, is the plywood mill generating visual emissions? Yes No N/A

Note: water vapor is not considered a 'visual emission'.

What caused the upset condition, and how was it fixed?: _____

****If no visual emissions after fixing upset condition, observation is complete. File form in Binder 1, Tab 4 AND notify Plant Management of upset condition.**

****If visual emissions are observed, and not due to an upset condition that can be fixed immediately, Notify Plant Management and coordinate a Method 9 observation. The Method 9 observation should occur as soon as possible.**

Date of Method 9 Observation:

Observer:

Time: _____ to _____
(24-30 minutes)

Plywood Mill Operating? Yes No

****Attach Method 9 observation sheet to this Form and file in Binder 1, Tab 4.**

Opacity limit: on a 6-minute average, the opacity cannot exceed 20%.

Other Notes:

Chip Bins Opacity Observation Form

(Observe the point where chips blow into the two truck bins, and observe the bin vents.)

This form documents when opacity observations were completed.

****After three consecutive Monthly "No See" observations are recorded, observations shall be recorded quarterly.**

****If visual emissions are observed during a monthly or quarterly check, a Method 9 observation must be collected that month.**

Date: 11/11/15

Observer: CARLIE CHANEY

Time: 11:20am to 11:31am
(~5 minutes)

Chip Bins Receiving Material? Yes No

Are the chip bins generating visual emissions? Yes No

Note: water vapor is not considered a 'visual emission'.

****If no visual emissions, observation is complete. File this form in Binder 1, Tab 3.**

If visual emissions are observed, describe their appearance (i.e. smokey, sawdust) and location:

If visual emissions are observed, are they due to an upset condition that can be fixed immediately?

Yes No N/A

After fixing upset condition, are the chip bins generating visual emissions? Yes No N/A

Note: water vapor is not considered a 'visual emission'.

What caused the upset condition, and how was it fixed?

****If no visual emissions after fixing upset condition, observation is complete. File form in Binder 1, Tab 3 AND notify Plant Management of upset condition.**

****If visual emissions are observed, and not due to an upset condition that can be fixed immediately, Notify Plant Management and coordinate a Method 9 observation. The Method 9 observation should occur as soon as possible.**

Date of Method 9 Observation:

Observer:

Time: to
(24-30 minutes)

Chip Bins Receiving Material? Yes No

****Attach Method 9 observation sheet to this Form and file in Binder 1, Tab 3.**

Opacity limit: on a 6-minute average, the opacity cannot exceed 20%.

Other Notes:

Dry End Cyclone Opacity Observation Form

This form documents when opacity observations were completed.

****After three consecutive Monthly "No See" observations are recorded, observations shall be recorded quarterly.**

****If visual emissions are observed during a monthly or quarterly check, a Method 9 observation must be collected that month.**

Date: 11/11/13

Observer: Connie Chaney

Time: 11:30 to 11:46 am
(~5 minutes)

Dry End Cyclone and Sources Operating? Yes No

Is the dry end cyclone generating visual emissions? Yes No

Note: water vapor is not considered a 'visual emission'.

****If no visual emissions, observation is complete. File this form in Binder 1, Tab 2.**

If visual emissions are observed, describe their appearance (i.e. smokey, sawdust) and location:

If visual emissions are observed, are they due to an upset condition that can be fixed immediately?

Yes No N/A

After fixing upset condition, is the dry end cyclone generating visual emissions? Yes No N/A

Note: water vapor is not considered a 'visual emission'.

What caused the upset condition, and how was it fixed?:

****If no visual emissions after fixing upset condition, observation is complete. File form in Binder 1, Tab 2 AND notify Plant Management of upset condition.**

****If visual emissions are observed, and not due to an upset condition that can be fixed immediately, Notify Plant Management and coordinate a Method 9 observation. The Method 9 observation should occur as soon as possible.**

Date of Method 9 Observation: _____ Observer: _____

Time: _____ to _____ Dry End Cyclone and Sources Operating? Yes No
(24-30 minutes)

****Attach Method 9 observation sheet to this Form and file in Binder 1, Tab 2.**

Opacity limit: on a 6-minute average, the opacity cannot exceed 20%.

Other Notes:

OMAK // WOOD PRODUCTS

POWERHOUSE BOILER

DATE	SCRUBBER PRESSURE DROP	MULTICONE PRESSURE DROP	O ² PERCENT
1-10-13			
12:00 AM	1.4	1.9	
1:00 AM	2.2	4.9	
2:00 AM	2.1	4.6	
3:00 AM	2.6	1.5	
4:00 AM	2.5	1.4	
5:00 AM	2.6	1.5	
6:00 AM	2.0	1.3	
7:00 AM	2.8	1.6	
8:00 AM	5.4	2.8	
9:00 AM	4.8	2.3	
10:00 AM	2.6	1.5	
11:00 AM	2.0	1.3	
12:00 PM	2.5	1.5	
1:00 PM	2.0	1.3	
2:00 PM	2.1	1.6	
3:00 PM	2.0	1.3	
4:00 PM	2.9	1.6	
5:00 PM	3.4	1.7	
6:00 PM	3.5	1.8	
7:00 PM	1.9	1.3	
8:00 PM	3.4	1.7	
9:00 PM	2.0	1.3	
10:00 PM	2.0	1.2	
11:00 PM	1.5	1.1	

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POWERHOUSE BOILER

DATE	SCRUBBER PRESSURE DROP	MULTICONES PRESSURE DROP	O ² PERCENT
11-8-13		collector	
12:00 AM	1.9	2.1	
1:00 AM	1.8	1.3	
2:00 AM	2.0	1.3	
3:00 AM	1.1	1.1	
4:00 AM	1.9	1.2	
5:00 AM	2.3	1.4	
6:00 AM	2.3	1.4	
7:00 AM	+5 2.7	1.5	
8:00 AM	5.8	2.7	
9:00 AM	2.6	1.5	
10:00 AM	2.7	1.7	
11:00 AM	1.9	1.3	
12:00 PM	2.5	1.2	
1:00 PM	1.8	1.1	
2:00 PM	1.6	1.2	
3:00 PM	3.1	1.3	
4:00 PM	2.1	1.2	
5:00 PM	3.0	1.6	
6:00 PM	2.3	1.5	
7:00 PM	1.4	1.2	
8:00 PM	2.0	1.4	
9:00 PM	2.4	1.3	
10:00 PM	2.6	1.5	
11:00 PM	1.5	1.2	

OMAK // WOOD PRODUCTS

POWERHOUSE BOILER

DATE	SCRUBBER PRESSURE DROP	MULTICONIC PRESSURE DROP	O ² PERCENT
11-7-13		collector	
12:00 AM	1.3	1.3	
1:00 AM	1.1	1.1	
2:00 AM	3.5	1.9	
3:00 AM	2.0	1.2	
4:00 AM	1.7	1.2	
5:00 AM	1.9	1.4	
6:00 AM	2.9	1.9	
7:00 AM	1.1	1.3	
8:00 AM	1.3 21	1.3	
9:00 AM	1.5 25	1.5	
10:00 AM	1.5 23	1.5	
11:00 AM	1.3	1.5	
12:00 PM	1.1	1.1	
1:00 PM	1.7	1.3	
2:00 PM	1.9	1.3	
3:00 PM	2.0	1.2	
4:00 PM	2.1	1.4	
5:00 PM	1.5	1.3	
6:00 PM	1.9	1.3	
7:00 PM	2.4	1.6	
8:00 PM	1.6	1.3	
9:00 PM	1.7	1.4	
10:00 PM	2.5	1.4	
11:00 PM	2.9	1.6	

OMAK // WOOD PRODUCTS

POWERHOUSE BOILER

DATE	SCRUBBER PRESSURE DROP	MULTICONE PRESSURE DROP Collector	O ² PERCENT
11-6-13			
12:00 AM	6.1	1.3	
1:00 AM	0.5	1.0	
2:00 AM	1.4	1.3	
3:00 AM	0.9	1.2	
4:00 AM	1.4	1.1	
5:00 AM	0.9	1.0	
6:00 AM	2.1	1.5	
7:00 AM	1.1	1.0	
8:00 AM	1.7	1.0	
9:00 AM	1.8	1.3	
10:00 AM	2.4	1.5	
11:00 AM	2.0	1.5	
12:00 PM	2.8	1.7	
1:00 PM	2.9	1.8	
2:00 PM	4.0	2.2	
3:00 PM	2.5	1.5	
4:00 PM	2.3	1.3	
5:00 PM	2.4	1.5	
6:00 PM	1.2	1.1	
7:00 PM	2.0	1.3	
8:00 PM	2.5	1.9	
9:00 PM	1.3	1.1	
10:00 PM	1.6	1.0	
11:00 PM	1.2	1.1	